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PEPTIDE OR ITS SALT

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ABSTRACT

PURPOSE: To obtain a peptide, useful for treating fracture, wound, multiple sclerosis, rheumatoid arthritis, osteoarthritis, osteoporosis, periodontosis, etc., and capable of effectively suppressing the rejection after organ transplantation.

CONSTITUTION: This peptide or its salt has the following general formula:
H- X.up arrow.1-Ala-X.up arrow.2-Pro-Cys-Cys-Val-X.up arrow.3-Gln-X.up
arrow.4-Leu-Glu-X.up arrow.5-Y (X.up arrow.2 denotes an amino acid residue
selected from the group consisting of Ser and Ala; X.up arrow.3 denotes an
amino acid residue selected from the group consisting of Ser and Pro; X.up
arrow.4 denotes an amino acid residue selected from the group consisting of
Ala and Asp; X.up arrow.1 and X.up arrow.5 respectively denote single bonds
or peptide fragments composed of 1-5 amino acid residues selected from the
group consisting of Gly, Ala, Val, Arg, Asn, Ser, Phe, Pro, Leu, Glu, Asp,
Lys, Thr, His, Tyr, Nle and Ile; Y denotes hydroxyl group or amino group)
and transforming growth factor (TGF)-.beta.-like activity.